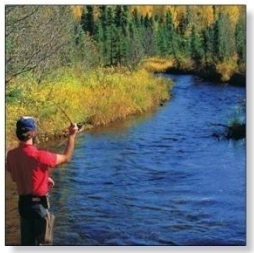
Irrigation Wells

Presented by Allan Wylie IDWR

3 October 2013



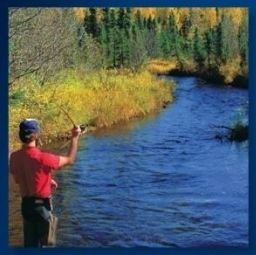
Design Documents

Design Document: Assigning pumping to model layers

By Allan Wylie, IDWR

Design document description and purpose

The U.S. Geological Survey (USGS), in collaboration with the Idaho Department of Water Resources (IDWR) is constructing a numerical groundwater-flow model of the Wood River Valley aquifer system in order to simulate potential anthropogenic and climatic effects on groundwater and surface-water resources. This model will serve as a tool for water-rights administration and water-resource management and planning. The study will be conducted over a 3-year period from late 2012 until model and report completion in 2015. One of the goals of the modeling study is to develop the model in an open and transparent manner. To this end, a Technical Advisory Committee was formed to provide for transparency in model development and to serve as a vehicle for stakeholder input. Technical representation was solicited by the IDWR and includes such interested parties as water-user groups and current USGS cooperating organizations in the Wood River Valley.

Recommendation

- Drillers options are limited
  - Complete well in upper aquifer
  - Complete well in lower aquifer
  - Complete well in both aquifers
- Where we don’t have a well log, assume well construction is similar to the neighboring well